

Union of Soviet  
Socialist  
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State Committee  
of the USSR  
for Inventions and  
Discoveries

# SPECIFICATION OF INVENTION

## TO INVENTORS' CERTIFICATE

166,452

Of addition to Inventor's Certificate No. -  
Application filed: 08.23.1962 (No. 792929/31-16)  
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Applicant: -

### STOMATOLOGY DIATHERMY COAGULATOR

#### *Claims*

1. A stomatology diathermy coagulator comprising a power transformer, a rectifier built about semiconductors diodes, a smoothing filter, a mains filter and a patient's filter for suppression of interference with radio reception, an instrument holder, a set of cutting and coagulation instruments, *characterized in that*, in order to avoid burns and electric shocks which could be suffered by the patient during operation of the device, the latter has an electrical circuitry that eliminates the need for a "passive" electrode to be applied to the patient's body, such as a circuitry including a self-excited oscillator built about a layout of a quartz self-oscillator with an electronic coupling, and with the quartz crystal connected between the screening grid and the control grid of the electron tube.